

ECOLOGY AND ENVIRONMENT, INC.

REGION VI

MEMORANDUM

REVIEWED BY *DAEGH*

David E. Price DATE *12/24/83*

TO: David Peters, Chief
Hazardous Waste Section

FROM: Michael E. Benner, FIT/Hydrogeologist *M. Benner*

THRU: K. H. Malone, Jr., RPM *KHM*

DATE: November 7, 1983

SUBJ: Test Borings, Harris Corporation, Kennedale, Texas (TX10227)
TDD #R6-8307-14 *TXD 073/49 957*

On August 17, 1983 FIT members M. Benner, M. Riforgiat, A. Newton and R. Roblin met with Daniel Dowiak, Senior Environmental Engineer with Tera Corporation, who was acting as technical representative for Harris Corporation. The FIT drilled two test borings within an abandoned pit located on the hill at the southeast corner of the Harris Corporation property. The 20'x20'x8' (approximate dimensions) pit had been used for disposal of waste machining coolant/lubricant for about a six month period in 1970.

The FIT, accompanied by Mr. Dowiak, used a power auger with 4 inch diameter flights to drill and sample soils from two test borings which were located within the old pit to ascertain whether or not a potential source of groundwater contamination may exist (see figure 1). Figure 2 presents a log of materials encountered at each boring and the final completion design of each boring. No visual or olfactory evidence was observed of any contamination in either boring. Both borings were completed to a drilled depth of 9.0 feet (Boring 1 filled in to 8.7 feet). Temporary piezometers were installed in each boring to facilitate water sampling following a heavy precipitation event should it be deemed necessary pending the soil analysis results (no water was encountered in either boring). (See figure 2).

Soil samples were taken from 0 to 1.5 feet and 6.5-8.7 feet from boring 1 and 0 to 1.5 feet and 7.5 to 9.0 feet from boring 2. Soil samples were taken from the hole cuttings and directly off the auger flight. Samples were submitted to California Analytical Laboratories, Inc., Sacramento, California for inorganic analysis and Hazleton-Raltech, Madison, Wisconsin for organic analysis. Samples were split with Mr. Dowiak. Chain-of-Custody documentation is attached.

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FILE



FEB 03 1993

REORGANIZED

Analytical results are presented on the attached sample summary sheets. No significant amounts of metals were detected in any of the samples. Organic analysis indicated the presence of pentane in both samples from boring #1 and the 7.5 to 9.0 feet sample from boring #2. Pentane concentrations ranged from 0.0038 to 0.053 ppm. Pentane is a light volatile organic which is found in some cleaning solvents. There are no standards for pentane concentrations. All other organic compounds detected were also present in the field blank.

Based upon the low concentrations of pentane and the fact that no other contaminants were present, no further action at the Harris Corporation site is recommended.

TABLE I. INORGANIC ANALYSIS SUMMARY

Page 1 of 1CASE NUMBER: 1985SITE NAME/ CODE: Harris Corp.
TX 10227

PARAMETER		CONCENTRATIONS (ppm)								Mean Ambient Background 1.	
		EPA Sample Numbers								Western U. S. 2.	Eastern U. S. 2.
		MF 0097	MF 0098	MF 0096	MF 0109	MF 0110					
Task 1	Matrix Type	Soil	Soil	Soil	Soil	Blank				Soil	Soil
	Aluminum	1600	1800	1100	1300					54,000	33,000
	Chromium	10	5.3	2.5	13					38	36
	Barium		5.0	11	13					560	300
	Beryllium									0.6	0.6
	Cobalt									8	7
	Copper				46					21	14
	Iron	7900	12,000	39,00	10,000					20,000	15,000
	Nickel				5.3					16	13
	Manganese	50	48	100	130					390	290
	Zinc	2.4	3.1	2	8.4					51	36
	Boron									22	32
	Vanadium		11							66	46
	Silver									<.50	-
Task 2	Arsenic	1.4	1.1		2.4					6.1	5.4
	Antimony									<150	-
	Selenium									0.25	0.39
	Thallium									-	-
	Mercury									0.055	0.096
	Tin					2				<10	<10
	Cadmium				0.1					<1	<1
	Lead	2.8	4	3.3	7.5					18	14
Task 3	Ammonia	26	23	1.4	1.7					-	-
	Cyanide									-	-
	Sulfide									-	-
Sample Station Number		02	01	01	02					1. Ambient background concentrations apply only to soil matrix samples. Values obtained from "Geochemistry of Some Rocks, Soils, Plant and Vegetables in the Conterminous United States" Geological Survey Professional Paper 574 F 1975.	
Sample Station Location		Hole #2 7.5-9 ft.	Hole #1 6.5-8.7 ft.	Hole #1 0-1.5 ft.	Hole #2 0-1.5 ft.	Blank					

2. Reference for East/West Division is the 97° W longitudinal line which bisects Region VI.

TABLE II. ORGANIC ANALYSIS SUMMARY

Page 1 of 1

CASE NUMBER: 1895

SITE NAME/CODE: Harris Corporation
TX 10227

[illegible]

1. Priority Pollutant.
2. Specified Hazardous Substance.
3. Tentatively Identified.

**1201 Elm Street
Dallas, Texas 75270**

6- 1270

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

REGION 6
First International Building
1201 Elm Street
Dallas, Texas 75270

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME				NO. OF CON- TAINERS	REMARKS									
TX 10227		HARRIS CORP.					<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOLATILE ORGANICS</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PRIORITY POLLUTANTS</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">ORGANICS GC/MS</div> </div>									
SAMPLERS: (Signature) <i>[Signature]</i>																
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION											
01	8/17/83	1127	✓		HOLE #1 0-1.5' depth	1	✓									TAG. # 6-1762
01	8/17/83	1127	✓		HOLE #1 0-1.5' depth	1		✓	✓							TAG. # 6-1761
01	8/17/83	1151	✓		HOLE #1 6.5'-8.7' depth	1	✓									TAG. # 6-1767
01	8/17/83	1151	✓		HOLE #1 6.5'-8.7' depth	1		✓	✓							TAG. # 6-1768
02	8/17/83	1238	✓		HOLE #2 0-1.5' depth	1	✓									TAG. # 6-1769
02	8/17/83	1238	✓		HOLE #2 0-1.5' depth	1		✓	✓							TAG. # 6-1770
02	8/17/83	1300	✓		HOLE #2 7.5-9.0' depth	1	✓									TAG. # 6-1773
02	8/17/83	1300	✓		HOLE #2 7.5-9.0' depth	1		✓	✓							TAG. # 6-1774
BLANK	8/17/83	1127			BLANK	1	✓	✓	✓							TAG. # 6-1765
Relinquished by: (Signature) <i>[Signature]</i>			Date / Time 8/18/83 1400		Received by: (Signature) FEDERAL EXPRESS		Relinquished by: (Signature)			Date / Time		Received by: (Signature)				
Relinquished by: (Signature)			Date / Time		Received by: (Signature)		Relinquished by: (Signature)			Date / Time		Received by: (Signature)				
Relinquished by: (Signature)			Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks AIRBILL # 130 245 382							

**FEDERAL
EXPRESS**PLEASE COMPLETE ALL INFORMATION IN THE 5 BLOCKS OUTLINED IN ORANGE
SEE BACK OF FORM SET FOR COMPLETE PREPARATION INSTRUCTIONS

AIRBILL NUMBER

130245382

YOUR FEDERAL EXPRESS ACCOUNT NUMBER

00752 0752-5840-2

DATE

8-18-83



FROM (Your Name)

MICHAEL E BANNER

TO (Recipient's Name)

DAVID HILES

If Hold For Pick-Up or Saturday Delivery,
Recipient's Phone Number

COMPANY

ECOLOGY & ENVIRONMENT INC

DEPARTMENT/FLOOR NO.

COMPANY

HARLETON-RAITECH

DEPARTMENT/FLOOR NO.

STREET ADDRESS

1509 MAIN ST STE 118

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE)

3301 KINSMAN BLVD

CITY

DALLAS

STATE

TX

CITY

MADISON

STATE

WI

AIRBILL NO.

130245382

ZIP ACCURATE ZIP CODE REQUIRED
FOR CORRECT INVOICING

75201

IN TENDERING THIS SHIPMENT, SHIPPER AGREES THAT
F.E.C. SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM
CARRIAGE HEREOF. F.E.C. DIS-ZIP ACCURATE ZIP CODE REQUIRED
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53704

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PAYMENT ☐ Bill Shipper ☐ Bill Recipient's F.E.C. Acct. ☐ Bill 3rd Party F.E.C. Acct. ☐ Bill Credit Card
☐ Cash in Advance Account Number/Credit Card Number 0200-7752-4

SERVICES CHECK ONLY ONE BOX		DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED	PACKAGES	WEIGHT	DECLARED VALUE	O/S
PRIORITY 1 1 <input type="checkbox"/> OVERNIGHT PACKAGES (Up to 70 LBS.) 2 <input type="checkbox"/> OVERNIGHT ENVELOPE (Up to 2 LBS.) 3 <input type="checkbox"/> OVERNIGHT BOX (Up to 5 LBS.) 4 <input type="checkbox"/> OVERNIGHT TUBE (Up to 5 LBS.) STANDARD AIR 5 <input type="checkbox"/> DELIVERY 2ND BUSINESS DAY FOLLOWING PICK-UP (Up to 70 LBS.)		1 <input type="checkbox"/> HOLD FOR PICK-UP AT FOLLOWING FEDERAL EXPRESS LOCATION SHOWN IN SERVICE GUIDE. RECIPIENT'S PHONE NUMBER IS REQUIRED. 2 <input checked="" type="checkbox"/> DELIVER 3 <input type="checkbox"/> SATURDAY SERVICE REQUIRED (See Reverse (Extra charge applies for delivery). 4 <input type="checkbox"/> RESTRICTED ARTICLES SERVICE (P-1 and Standard Air Packages only; extra charge) 5 <input type="checkbox"/> SSS (Signature Security Service required; extra charge applies) 6 <input type="checkbox"/> DRY ICE LBS 7 <input type="checkbox"/> OTHER SPECIAL SERVICE 8 <input type="checkbox"/> 9 <input type="checkbox"/>	7	2.5		
			TOTAL	TOTAL	TOTAL	
		RECEIVED AT SHIPPER'S DOOR <input type="checkbox"/> REGULAR STOP <input type="checkbox"/> ON-CALL STOP <input checked="" type="checkbox"/> F.E.C. LOC. Federal Express Corporation Employee No. DATE/TIME For Federal Express Use				



FEDERAL EXPRESS USE

FREIGHT CHARGES

DECLARED VALUE CHARGE

ADVANCE ORIGIN

ADVANCE DESTINATION

OTHER

TOTAL CHARGES

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FEC-S-0751 D/O/B
REVISION DATE
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AIRBILL NUMBER

130245371

00752
YOUR FEDERAL EXPRESS ACCOUNT NUMBER
0752-5840-2

FROM (Your Name)
Michael F. Bender

COMPANY
ECOLOGY & ENVIRONMENT INC.

DEPARTMENT/FLOOR NO.
1500 MAIN ST. SUITE 210

STREET ADDRESS
1500 MAIN ST. SUITE 210

CITY
DALLAS

DATE
4/13

TO (Recipient's Name)
Bowie M. Del

COMPANY
COPPER STATE

DEPARTMENT/FLOOR NO.
5045

STREET ADDRESS (P.O. BOX NUMBERS ARE NOT DELIVERABLE)
5045

CITY
SACRAMENTO



AIRBILL NO. 130245371

ZIP ACCURATE ZIP CODE REQUIRED FOR CORRECT INVOICING
75201

YOUR NOTES/REFERENCE NUMBERS (FIRST 12 CHARACTERS WILL ALSO APPEAR ON INVOICE)

PAYMENT ☐ Bill Shipper ☐ Bill Recipient's F.E.C. Acct. ☐ Bill 3rd Party F.E.C. Acct. ☐ Bill Credit Card
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COURIER PAK ☐ OVERNIGHT ENVELOPE (Up to 2 LBS.)

☐ OVERNIGHT BOX (Up to 5 LBS.)

☐ OVERNIGHT TUBE (Up to 5 LBS.)

STANDARD AIR

☐ DELIVERY 2ND BUSINESS DAY FOLLOWING PICK-UP (Up to 70 LBS.)

OVERNIGHT IS NEXT BUSINESS DAY (MONDAY THROUGH FRIDAY). TWO DAYS FROM ALASKA/HAWAII. SATURDAY DELIVERY AVAILABLE IN CONTINENTAL U.S. SEE SPECIAL HANDLING.

DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED

☒ HOLD FOR PICK-UP AT FOLLOWING: FEDERAL EXPRESS LOCATION SHOWN IN SERVICE GUIDE. RECIPIENT'S PHONE NUMBER IS REQUIRED.

☒ DELIVER

☐ SATURDAY SERVICE REQUIRED. See Reverse (Extra charge applies for delivery.)

☐ RESTRICTED ARTICLES SERVICE (P-1 and Standard Air Packages only, extra charge)

☐ SSS (Signature Security Service required, extra charge applies)

☐ DRY ICE LBS.

☐ OTHER SPECIAL SERVICE

PACKAGES WEIGHT DECLARED VALUE O/S

TOTAL TOTAL TOTAL

RECEIVED AT

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Federal Express Corporation Employee No.

DATE/TIME For Federal Express Use



AGT/PRO

ADVANCE ORIGIN

AGT/PRO

ADVANCE DESTINATION

OTHER

TOTAL CHARGES

PART #2041730751

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